WE CLAIM:

1. A method for handing Object Request Broker (ORB) communications for a system designed in the Common Object Request Broker Architecture (CORBA), comprising the steps of:

creating a plug-in component for a desired client/server application program protocol selected from multiple and diverse communications protocols, said component including a protocol adaptor/connector connecting the ORB and client server applications;

structuring a base communications protocol for the ORB to accept said plug-in components so as to translate the client/server application protocol to the General Inter-ORB Protocol (GIOP) of CORBA; and

combining the plug-in component and the base communications protocol so that the combination ORB handles communications from the client/server application in the desired application protocol.

2. The method for handling ORB communications as set forth in claim 1, further including the step of:

registering at least one other plug-in component for a desired communications protocol out of a plurality of protocols; and

substituting one of the plug-in components in the combination to cause the system to communicate in the protocol related to the substituted protocol.

3. The method for handling ORB communications as set forth in claim 2 wherein the plug-in component includes a scheduler and the schedules changes when the other plug-in is

substituted.

4. The method for handling ORB communications as set forth in claim 1, wherein the protocol adaptor/connector defines a connector interface which includes a protocol connector.

5. The method for handling ORB communications as set forth in claim 1, wherein the protocol adaptor/connector defines an adapter interface which includes a Listener and a dispatcher.

6. Apparatus for handing Object Request Broker (ORB) communications for a system designed in the Common Object Request Broker Architecture (CORBA), comprising

a plug-in component for a desired protocol related to one of a multiple of diverse communications protocols; and

a base communications protocol component for the ORB, said base protocol being adapted to accept said plug-in component so as to translate the internal CORBA structure to a desired communications protocol.

7. An article of manufacture having computer readable program means embodied therein for causing Object Request Broker (ORB) communications for a system designed in the Common Object Request Broker Architecture (CORBA) to operate with a desired protocol related to one of a multiple diverse communications protocols, comprising

a plug-in component for a desired client/server application program protocol selected from multiple and diverse communications protocols, said component including a protocol

adaptor/connector connecting the ORB and client server applications;

a base communications protocol for the ORB to accept said plug-in components so as to translate the client/server application protocol to the General Inter-ORB Protocol (GIOP) of CORBA; and

wherein the plug-in component and the base communications protocol are combined so that the combination ORB handles communications from the client/server application in the desired application protocol.

8. The article of manufacture as set forth in claim 7, further comprising:

at least one other plug-in component for a desired communications protocol out of a plurality of protocols, said other plug-in component being registered; and

means for substituting one of the other plug-in components in the combination to cause the system to communicate in the protocol related to the substituted protocol.

9. The article of manufacture as set forth in claim 8 wherein the plug-in component includes a scheduler and the schedules changes when the other plug-in is substituted.

10. The article of manufacture as set forth in claim 7, wherein the protocol adaptor/connector defines a connector interface which includes a protocol connector.

11. The article of manufacture as set forth in claim 7, wherein the protocol adaptor/connector defines an adapter interface which includes a Listener and a dispatcher.

12. A method for handing requests for service over a communications system designed with multiple protocol levels, comprising the steps of:

at a client processor:

providing at least one protocol connector;

using a client stub component to provide a plug-in protocol connector component for at least one desired client/server application program protocol selected from multiple and diverse communications protocols;

using a client connection manager component to establishing a connection between one of said protocol connector and said plug-in protocol connector, and at least one protocol connection component; and

connecting the protocol connection to a transport connection, said transport connection establishing communications with a server processor; and

at said server processor:

providing at least one protocol listener;

using a server skeleton component to provide a plug-in listener for at least said desired client/server application program protocol;

using a server dispatcher component to establishing a connection between one of said listener and and said plug-in listener, and a protocol adapter, said adapter establishing communications with said transport connection of said client.

13. The method for handing requests for service over a communications system as set forth in claim 12, further including the step of:

using said client stub to provide at least one other plug-in protocol component for a desired communications protocol out of a plurality of protocols; and

using said client connection manager to substitute the other plug-in protocol component for connection to said protocol connector.

14. The method for handing requests for service over a communications system as set forth in claim 13, wherein the plug-in component includes a scheduler and the schedules changes when the other plug-in is substituted.